		_	Atty. Docket No.	Serial N	No.: 09/93	3828
Form PTO-1449 (Rev. 2-32)	U.S. Department of © Patent & Trademark		Q65905	Confirm	nation No.:	. M
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicant: Akira HIRAYAMA			
			Filing Date: August 22, 2001	Group:	1732	200 200 200 200 200 200 200 200 200 200
		U.S. PATE	ENT DOCUMENTS			
Examiner Initial	Document Number	Date	Name	Class	Sub- Class	Filing Date (if appropriate)
						
						<u>-</u>
					 	
						.,,
		EODEICNI DA	TENT DOCUMENTS			
· I	D		TENT DOCUMENTS	Class	Sub-	Translation
	Document	Date	Country	Class	class	Yes/No
LBT	52-97484 A	08/16/77	JP	D23D	1/08	
LBT	3-251329 A	11/08/91	JP	B23P	25/00-	
			-		 	
	OTHER DOCUME	NTS (Includin	g Author, Title, Date, P	ertinent Page	s, Etc.)	
EXAMINER: LE	O B. TENTONI		DATE CONSIDERE	ED: 08/a	8/2003	
				•		
	Initial if citation considered, when and not considered. Include				609; draw li	ne through citation if





Substitute for Form 1449 A & B/PTO

Sheet

INFORMATION DISCLOSURE IP & STATEMENT BY APPLICANT

AUS 0 9 2002

(use as many sheets as necessary)

Complete if Known				
Application Number	09/933,828			
Confirmation Number	7274			
Filing Date	August 22, 2001			
First Named Inventor	Akira HIRAYAMA			
Art Unit	1732			
Examiner Name	Not Yet Assigned TENTONI			
Attorney Docket Number	O65905			

Examiner Initials*		Document	Number	PATENT DOCUM Publication Date MM-DD-YYYY		
	Cite No.1	Number	. Kind Code ² (if known)		Name of Patentee or Applicant of Cited Docum	ent
LBT		US 3,413,708	A	12-03-1968	Norville et al.	
LBT		US 3,176,387	A	04-06-1965		<u> </u>
LBT		US 2,905,064	A	09-22-1959	Nielsen et al.	ITT
		US			O 0	()
		US			2 5	111
	<u> </u>	US			CE	
		US			平 第	
		US			ri is	
		US			, , , , , , , , , , , , , , , , , , ,	

FOREIGN PATENT DOCUMENTS							
Examiner Cite	Cite	Foreign Patent Document			Publication Date	Name of Patentee or	Translation ⁶
Initials*	No.1	Country Code ³	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	
	 	JP-	52-97484-	A	08-16-1977	Toshiba Corp.*	Abstract
		JP	3-251329	A	11-08-1991	Showa-Aircraft Ind. Co. Ltd.*	Abstract
	<u> </u>	-	2 20 20 2				
		*-Cited 1	l for completenes	s since in the	IDS of August 22	, 2001	
	<u> </u>						
		 		· .			

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
LBT		Patent Abstracts of Japan, JP 52097484, August 16, 1977.	
LBT		Patent Abstracts of Japan, JP 03251329, November 8, 1991	
LBT		European Search Report for EP 01 30 7145 (NOVEMBER 29, 2001).	
			<u>. </u>
	+		

Examiner Signature LE	O B. TENTONI	Date Considered	0%/28/2003
Examiner Signature	0 01 7 2 13 1 0 13 2	Dute Constative	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.